### PATENT COOPERATION TREATY

## **PCT**

# TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference NUB-0006-PCT			FOR FURTHER ACTIO	ON	See Form PCT/IPEA/416			
International application No.		International filing date (da	y/month/year)	Priority date (day/month/year)				
PCT/JP2004/014085		27.09.2004		26.09.2003				
International Patent Classification (IPC) or national classification and IPC								
B08B9/04, A61B17/00								
Applicant NIHON UNIVERSITY								
<ol> <li>This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</li> </ol>								
1	EPORT consists o		_	sheets, including	g this cover sheet.			
3. This re								
a. 🔀	(sent to the a	pplicant and	l to the International Bureau	a total of 5	sheets, as follows:			
	sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).							
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental								
	Box.		D	ooto tuno and numbe	or of electronic carrier(s)			
b. <u>L</u>	(sent to the li	nternational	Bureau only) a total of (indi					
	related thereto	in compute	r readable form only as ind	icated in the Supple	, containing a sequence listing and/or tables mental Box Relating to Sequence Listing (see			
			strative Instructions).					
	port contains indi	cations relat	ing to the following items:					
$\boxtimes$	Box No. I	Basis of th	e report					
	Box No. II	Priority						
	Box No. III	Non-establ	ishment of opinion with rega	rd to novelty, invent	ive step and industrial applicability			
	Box No. IV		ity of invention					
	Box No. V	o. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
	Box No. VI Certain documents cited							
	Box No. VII	Certain defects in the international application						
	Box No. VIII	Certain ob	servations on the internationa	d application				
Date of submission of the demand			Date	of completion of th	is report			
Name and mailing address of the IPEA/JP			Aut	horized officer				
				1 3				
Facsimile No.			Tele	Telephone No.				

#### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2004/014085

Box	No. I		Basis of the report				
1.			to the language, this report is based on the internation der this item.	nal application in the language in	which it was filed, unless otherwise		
			port is based on translations from the original langua is the language of a translation furnished for the purp		·		
		╎႘	nternational search (Rule 12.3 and 23.1(b))				
		一 `	publication of the international application (Rule 12.4)				
_	337:45		nternational preliminary examination (Rule 55.2 and/		sheets which have been furnished to the		
2.	With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):						
		the inte	ernational application as originally filed/furnished				
	$\boxtimes$	the des	scription:				
		pages	1,5-13		as originally filed/furnished		
		pages*	2-4/1	received by this Authority on	08.07.2005		
		pages*		received by this Authority on			
ŀ	$\boxtimes$	the cla	ims:				
		nos.			as originally filed/furnished		
		nos.*		as amended (togethe	er with any statement) under Article 19		
		nos.*	1,4-6	received by this Authority on	08.07.2005		
		nos.*					
	$\bowtie$	the dra	wings:				
		sheets	fig. 1-5(b)		as originally filed/furnished		
		sheets					
		sheets					
		•	ence listing and/or any related table(s) - see Supplem	ental Box Relating to Sequence I	Lisung.		
3.		The ar	nendments have resulted in the cancellation of:				
			the description, pages				
			the claims, nos. 2,3				
			the drawings, sheets/figs	· · · · · · · · · · · · · · · · ·			
			the sequence listing (specify):				
			any table(s) related to sequence listing (specify):				
4.		This r	eport has been established as if (some of) the amend ave been considered to go beyond the disclosure as fi	lments annexed to this report and led, as indicated in the Suppleme	d listed below had not been made, since ntal Box (Rule 70.2(c)).		
			the description, pages				
			the claims, nos.				
			the drawings, sheets/figs				
			the sequence listing (specify):				
			any table(s) related to sequence listing (specify):				
L	If ite	m 4 app	olies, some or all of those sheets may be marked "sup	erseded."			

### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2004/014085

Box	No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1.	Statement	-			
	Novelty (N) Claims 1, 4-6 Claims				
	Inventive step (IS)  Claims  1, 4-6  Claims				
	Industrial applicability (IA) Claims 1, 4-6  Claims				
2.	Citations and explanations (Rule 70.7)				
	Document 1: JP 61-68036 A (Advanced Technology				
	Laboratories, Inc.), 08 April 1986 & EP				
	177782 A1 & US 4646736 A				
	Document 2: JP 2000-126303 A (Asahi Intecc Co., Ltd.), 09				
	May 2000 (Family: none)				
	Document 3: JP 7-124247 A (Kabushiki Kaisha Vayu), 16 May				
	1995 (Family: none)				
	Document 4: JP 2003-521279 A (Samuel SHIBER), 15 July				
	2003 & WO 00/45716 A1 & US 6143009 A				
	Document 5: JP 6-15777 U (Mitsubishi Heavy Industries,				
	Ltd.), 01 March 1994 (Family: none)				
	Claims 1 and 4 to 6				
	The inventions that are set forth in claims 1 and $4$				
	to 6 are not disclosed in any of documents 1 to 5, which				
	are cited in the international search report, and would				
	not have been obvious to a person skilled in the art.				